





The A/V Presentation

SourceBook

Section 12D

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EUROLIVE PERFORMER SERIES

400-Watt PA Loudspeaker/Floor Monitors

Behringer's most affordable, full range loudspeakers, the Performer Series is comprised of the E1220 with a 12" long excursion woofer and 1" horn driver, and the E1520 which offers a deeper 15" woofer. Both loudspeakers offer power handling of 400 watts (peak), wide dispersion characteristics and a wide frequency response suitable for delivering powerful music and speech to a large audience. The E1220 and E1520's flexible design allows the monitors to be stacked, stand mounted or used as floor monitors, and their rugged construction ensures that they will put up with any abuse that the road can throw at them.

- ◆ Extremely powerful 12" (E1220) and 15" (E1520) long-excursion drivers provide incredibly deep bass and acoustic power
- ◆ Proprietary 1" HF driver for exceptional high-frequency reproduction
- ◆ Ultra-wide 55Hz - 20kHz frequency range (-10dB), impedance 8 ohms
- ◆ Proprietary horn design for ultra-wide sound dispersion
- ◆ High SPL (sound pressure level of 93dB)
- ◆ Overload-protection circuitry ensures optimal HF driver protection.
- ◆ Neutrik Speakon-compatible connectors
- ◆ High-quality components and exceptionally rugged construction ensure long life
- ◆ Versatile enclosure profile allows different positioning:
 - 10 and 35° cluster and stacking mode
 - stand mounting with 35mm pole socket
 - floor monitor wedge.



- ◆ Rugged steel grill for optimal speaker protection and ergonomically shaped handles for easy transportation.



EUROLIVE PROFESSIONAL SERIES

800-Watt PA Loudspeaker/Floor Monitors

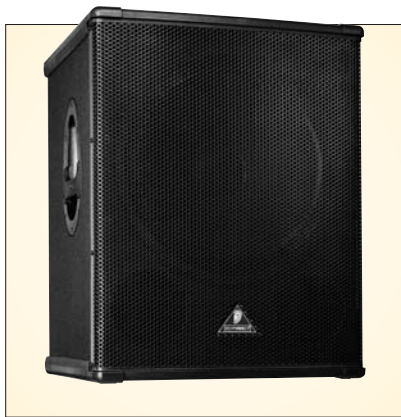
Rugged high performance loudspeakers, the affordable Eurolive Professional Series consists of the B1220 and B1520. Designed for PA applications and for use as floor monitors, the B1220 features a 12" long excursion bass driver and a 1 3/4" titanium diaphragm compression driver and can handle 800 watts of continuous program. The B1520 offers the same 800 watt capability with a larger (15") bass driver, for even deeper bass. Both feature a flexible enclosure design that allows a variety of speaker positions including 10 and 35° cluster and stacking modes, stand mounting with the 35mm pole socket or positioning as a floor monitor wedge.

- ◆ Passive 800 watt (peak) / 400 watt (RMS) speakers with 12" (B1220) or 15" (B1520) long-excursion drivers and 1.75" titanium diaphragm compression driver deliver powerful deep lows and crystal clear open highs.
- ◆ They feature a wide frequency range of 55Hz - 18kHz (B1220) and 50Hz-18kHz (-10dB), impedance 8 ohms.
- ◆ 95dB (B1220), 96dB (B1520) SPL.
- ◆ Rotatable horn design allows driver adjustment for horizontal or vertical positioning.
- ◆ HF driver overload-protection circuitry.
- ◆ Enclosure design allows a variety of positioning:
 - 10° and 35° cluster and stacking mode
 - Stand mounting with 35mm pole socket
 - Floor monitor wedge
- ◆ Parallel input connectors allow linking of additional loudspeakers.
- ◆ Comfortably shaped handles for easy transport and rugged steel speaker grills.
- ◆ Neutrik Speakon-compatible speaker connectors.

EUROLIVE E1800X

Professional 800-Watt 18" PA Subwoofer

Behringer's most affordable, passive subwoofer, the E1800X is the ideal low end extender for use with the Eurolive Performer Series. Featuring an 18" bass driver with a 45Hz - 300Hz frequency range and the ability to handle up to 800 watts, the E1800X will deliver serious bottom end to your live sound reinforcement rig. A switchable crossover is also provided for bi-amping applications. Professional Neutrik Speakon compatible connectors provide a secure connection for speaker cables. Additional features include rugged steel speaker grill, easy access handles and a pole socket for compatibility with commercial spacer poles.



EUROLIVE B1800X

1600-Watt 18" PA Subwoofer

The B1800X is Behringer's top-of-the-line live sound reinforcement subwoofer. It delivers up to 1600 watts of tight bottom end using an 18" long-excursion bass driver producing sound pressure levels (100 dB half space 1 W @ 1 m) in the frequency range of 40 - 300Hz. The built in crossover is switchable to allow for optional passive or bi-amping operating modes. Professional Neutrik Speakon compatible speaker connectors are provided for securely connecting to amplification. Additional features include a rugged, protective steel speaker grill, ergonomically shaped carry handles and a pole socket for mounting with commercial spacer poles.

	E1220	E1520	E1800X	B1220	B1520	B1800X
Speaker Type	2-way full-range	2-way full-range	Subwoofer	2-way full-range	2-way full-range	Subwoofer
Frequency Response (-10dB)	60 Hz - 20 kHz	55 Hz - 20 kHz	45 Hz - 300 Hz	55 Hz - 18 kHz	50 Hz - 18 kHz	40 Hz - 300 Hz
Power Rating ¹ (RMS)	200 W	200 W	400 W	400 W	400 W	800 W
Power Rating (Peak Program)	400 W	400 W	800 W	800 W	800 W	1600 W
Sound Pressure Level (1w @ 1m)	93 dB (Full Space)	94 dB (Full Space)	99 dB (Half Space)	95 dB (Full Space)	96 dB (Full Space)	100 dB (Half Space)
Dispersion	90° x 40°	90° x 40°	–	100° (50°) x 50°	100° (50°) x 50°	–
Crossover Frequency	3 kHz	2.8 kHz	–	2.5 kHz	1.8 kHz	–
Dimensions (W x H x D)	15½ x 22½ x 16"	18¾ x 25½ x 19"	21½ x 25½ x 21½"	15½ x 25½ x 16"	18¾ x 27½ x 19"	21½ x 27½ x 21½"
Weight (approx.)	44 lbs.	48.5 lbs.	66 lbs.	52.1 lbs.	59.5 lbs.	77.2 lbs.

B300

Active 2-Way PA Loudspeaker System with 15" Woofer

A 300 watt, bi-amped sound reinforcement loudspeaker, in a rugged, low-resistance plastic enclosure, that employs a 15" long-throw woofer with a high-power magnet and a high-efficiency 1.25" titanium wave-guided compression driver. The amplification is split between the woofer and horn 230 and 70 watts (peak) respectively. The B300 provides a ULN spec XLR mic preamp input for connecting a dynamic microphone as well as a 1/4" TRS line level input. An XLR line output is provided as a loop through for connecting to additional B300s. Onboard circuitry features include high and low shelving EQ at 12kHz and 80Hz, a built-in crossover, phase and time correction circuits and an opto-controlled speaker protection limiter. Additional features include easy access handles as well as integrated suspension points and a pole socket for a range of mounting options.

**CE1000P** 300-Watt Business Environment Speakers with Repaintable Front

The CE1000P are multi-purpose, 2-way loudspeakers designed for use in commercial indoor installations such as restaurants, shops, museums, conference rooms and houses of worship. They feature powerful 8" woofers and specially designed, high-resolution waveguided tweeters that combine to deliver a linear frequency response along with the ability to handle up to 300 watts (peak program), at 8 ohms. Their attractive black wood enclosure features an interchangeable, dark silver front that is repaintable to match your installation's interior. Plus, the included wall-mount brackets ensure that secure mounting of the speakers is a hassle-free.

MONITOR 1C
Ultra-Compact Monitor Speakers

The MONITOR 1C is a super-affordable, compact 2-way loudspeaker system, designed for audio/video multimedia applications, home recording studios and surround-sound systems. It has a powerful 5.5" woofer, and a high-resolution .5" tweeter with a phase-optimized high-precision crossover that delivers an impressive power handling capability of up to 100 watts (full range).

- ◆ Multi-purpose 2-way studio monitors ideally suited for fixed installation, multimedia, home recording studio, audio/video production and surround-sound systems.
- ◆ Ultra-linear frequency range from 60 Hz to 23 kHz.
- ◆ High power handling capability (100w / IEC268-5) produces full-range output with extremely low distortion.
- ◆ Powerful 5½" woofer with extremely light-weight cellulose cone and high-resolution 1/2" tweeter.
- ◆ Auto overload protection prevents tweeter damage and resets automatically
- ◆ Phase-optimized and high-precision crossover for absolute phase linearity
- ◆ Solid protective grille and rugged construction for long life and durability.



CIS SERIES

Ceiling Mount Speakers

EAW offers a wide variety of flush-mount, ceiling mount speakers, with multi-tap 70V/100V transformers, designed to meet the increasing demands for quality install sound systems. The use of polypropylene cone woofers offer greater stability and longevity than paper-coned woofers.

The economical CIS6, CIS50, CIS65, and CIS80 each use a coaxial speaker design and include an integrated 70v/100v transformer. These models are ideally suited for paging and light and background music systems. They are voiced to offer clarity of speechmaking them well suited for waiting rooms, hallways, restrooms and for emergency messages. The CIS80, CIS65, and CIS50 include a backcan fire dome, while the CIS6 is a simple, low profile solution. Each speaker features spring loaded hardware for quick and easy installation.

For those that require superior audio quality, the CIS300 and CIS400 2-way, bass reflex "ceiling monitors" go beyond mere background music and paging systems.

They borrow design concepts originally developed for studio monitors including, waveguide-loaded high frequency transducers that deliver greater dispersion patterns over standard designs. Both units can operate using the integral 70v/100v transformer or via low impedance amplification. The CIS300 and CIS400 are ideal for installations where the higher fidelity is needed such as presentations or any applications requiring quality music playback. Two input terminals and two loop-thru output terminals are provided via removable locking connector with screw-down terminals.



	CIS6	CIS50	CIS65	CIS80	CIS300	CIS400
Enclosure	2-way coaxial	2-way coaxial			2-way, front loaded	2-way, front loaded
Low-Frequency (Woofer)	6.5" twin cone driver	5.25" twin cone driver	6.5" polypropylene	8" polypropylene	4" polypropylene	6.5" polypropylene
High-Frequency (Tweeter)	—	—	2" mylar dome	2.5" mylar dome Neodymium dome	1" cloth Neodymium dome	1" damped cloth
Crossover						2.0 kHz
Frequency Response (-10dB)	100Hz - 20kHz	100Hz - 20kHz	70Hz - 20kHz	50Hz - 20kHz	90Hz - 22kHz	70Hz - 22kHz
Frequency Response (Low-Z)	N/A	N/A	N/A	N/A		89Hz - 20kHz (-3dB)
Horizontal Coverage (-6dB, 1kHz to 6kHz)	120°	130°	120°	120°	140° averaged	110° averaged
Vertical Coverage (-6dB, 1kHz to 6kHz)	90°	50°	45°	40°	124° averaged	110° averaged
Rated Maximum SPL	100dB	92dB @ 1m	89dB @ 1m	89dB @ 1m	102dB @ 1m	107dB @ 1m
System Input Power Rating	6W	6W	10W	20W	30W	40W
Transformer Taps 70v (Watts)	0.38 / 0.75 / 1.5 / 3	0.375 / 0.75 / 1.5 / 3	0.625 / 1.25 / 2.5 / 5	1.25 / 2.5 / 5 / 10 / 20	3.7, 7.5, 15, 30	5, 10, 20, 40
Transformer Taps 100v (Watts)	0.75 / 1.5 / 3 / 6	0.75 / 1.5 / 3 / 6	1.25 / 2.5 / 5 / 10	2.5 / 5 / 10 / 20	7.5, 15, 30	10, 20, 40
Rear Enclosure Material (Fire Dome)	N/A	Steel	Steel	Steel	Steel	Steel
Grille	High Impact ABS	Perforated metal	Perforated metal	Perforated metal	Perforated metal with weather-resistant coating	
Dimensions (Diameter x Height)	2.8" x 9.1"	7.09" x 4.86"	7.87" x 9.06"	5.0" x 10.6"	8.7" x 5.7"	11.8" x 6.6"
Front of Ceiling Tile to Back of Can				9.1"	4.5"	5.6"
Cutout Size	7.87"	6.3"			7.8"	10.8"
Net Weight	2.1 lbs	2.87 lbs	3.75 lbs	5.7 lbs	6.2 lbs	7.9 lbs.

SXA SERIES

Self-Powered Speaker Systems

If you need solid, clean powerful audio in the lightest package possible, direct your ears to the SxA-Series. These self-powered, bi-amped speakers work well in a wide range of sound reinforcement applications, from a simple vocal reinforcement PA to a large, multi-box, high-SPL sound system.

These full-range systems set the highest performance standards for powered speakers. The SxA100+ and SxA250 provide multiple inputs with full mix capability, a flexible EQ section and plenty of power in compact, easy-to-move enclosures. The SxA360 offers the highest power rating of the full range SxA series with an awesome 350 watts of power for the woofer and 150 watts for the HF driver. The compact SbA750 powered subwoofer adds hard-hitting bass to the SxA or other full-range systems.



SxA100+/SxA250 Powered Speakers

Full range loudspeakers ideal for most applications requiring high-quality sound. Their design provides multiple inputs with mix capability, an easy to use EQ section, and plenty of power in very compact, attractive packages.

- ◆ Designed to provide high SPL without excessive heat, the high-quality mic preamp provides great sounding vocals or speech. A master level control sets the desired SPL, and the line input can be mixed and balanced with a mic with its level control.

- ◆ Linear response is easily optimized for speech or music with the on board multiband equalization.
- ◆ Built-in pole mount and optional hardware makes it easy to position them without expensive accessories.
- ◆ High frequency section utilizes a molded-in constant-directivity horn coupled to a DH2010A. The result is vocals that sound natural yet "cut through" in reverberant, noisy rooms.

SxA360 Powered Speaker

A full range powered speaker that is ideal for applications requiring easy setup without compromising, powerful, high-quality sound. It offers a unique combination of high SPL, natural frequency response, and dynamic headroom that delivers feedback-free sound without the need for equalization.

- ◆ 350W LF amplifier, 150W HF amplifier.
- ◆ Built-in suspension points and pole mount.



SbA760 15" Powered Subwoofer

The SbA760 is a high-power compact sub designed to match the SxA100+, SxA250 and SxA360. The state-of-the-art class H power amplifier module delivers 760 Watts RMS power to an EV DL15Y 15" woofer.

- ◆ Compact and ergonomic design for easy transport.
- ◆ Dynamic limiter and full protection.
- ◆ Includes an integrated pole mount, 4 casters, and a PowerCon Lead.

	SxA100+	SxA250	SxA360	SbA760
Frequency Response (-10 dB)	50Hz - 20kHz	55Hz - 20kHz	60Hz - 18kHz	42 - 150Hz
Rated Output Power long term	LF 150 W / HF 50 W	LF 150 W / HF 50 W	LF 350 W / HF 150 W	760 W
Max. Sound Pressure Level	124 dB	126 dB	126 dB	128 dB
HF Coverage (nom.)	65° x 65°	80° x 55°	65° x 65°	—
LF Components	12" woofer	15" woofer	12" woofer	15" woofer
HF Components	DH2010A	DH2010A	1" DH2T Compression Driver	—
Inputs	XLR Mic	XLR Mic		2x XLR/jack combo
	XLR / 1/4" Line Level	XLR / 1/4" Line Level	XLR / 1/4" Line Level	2x XLR slave through
	XLR out (slave)	XLR out (slave)	XLR out	2x XLR Mid/Hi out
Level Controls	Mic Level (-35 dBu to 0 dBu); Master Level (-∞ to 0dB)		Master Level (-∞ to +10dB)	
2-Band EQ	LF: ± 6 dB; HF: ± 4 dB	LF: ± 6 dB; HF: ± 4 dB	—	—
Dimensions (HWD); Weight	23.1 x 16.9 x 12.3"; 43 lbs.	24.6 x 17.9 x 13.1"; 49 lbs.	23.1 x 16.9 x 12.3"; 36 lbs.	23.7 x 16.9 x 26.2"; 94.7 lbs.

ZX1 / ZX1i

Compact Sound Reinforcement Speakers

The ZX1 and ZX1i (install) are a series of compact sound reinforcement speakers designed for a wide variety of fixed and portable use applications including fixed installations for 70v - 100v systems. The entire ZX1(i) line features 8", high output, low frequency transducers and 1" compression drivers that are capable of 200 watts continuous, 800 watts peak power handling, with a wide, smooth frequency response and up to 123dB of max SPL. A velocity compensated bass port delivers exceptional low frequency response without the introduction of unwanted mechanical noise or distortion. For added flexibility, the HF horns are rotatable, accommodating vertical and horizontal speaker orientation.



The ZX1i install models are suited for both indoor and outdoor use and feature an integrated, heavy duty mounting bracket, called QuickSAM, that offers hassle-free, foolproof installation. The ZX1 features an integral handle pocket and a built-in pole mount for use with readily available speaker stands. The ZX1(i) are housed in a high-tech enclosure that has been engineered to provide maximum rigidity and acoustic performance. The long term reliability of the ZX1(i) is assured thanks to the full-bandwidth overload protection.



	ZX1-90	ZX1i-90	ZX1i-100	ZX1i-100t
	Portable Version	Fixed Install Version	Fixed Install Version	70v/100v Version
Frequency Response (-3dB)	60Hz - 20kHz	60Hz - 20kHz	60Hz - 20kHz	60Hz - 20kHz
Frequency Range (1) (-10dB)	48Hz - 20kHz	48Hz - 20kHz	48Hz - 20kHz	48Hz - 20kHz
Axial Sensitivity (1)	94dB (1W/1m)	94dB (1W/1m)	92dB (1W/1m)	92dB (1W/1m)
Maximum Calculated SPL	123dB	123dB	121dB	121dB
Horizontal Coverage	90° or 50°	90° or 50°	100°	100°
Vertical Coverage	50° or 90°	50° or 90°	100°	100°
System Power Handling	200W Continuous, 400W Program	200W Continuous, 400W Program	200W Continuous, 400W Program	200W Continuous, 400W Program
LF Transducer	EV8L, 8" Driver	EV8L, 8" Driver	EV8L, 8" Driver	EV8L, 8" Driver
HF Transducer	DH2005, 1" Exit Compression Driver		DH2005, 1" Exit Compression Driver	
Connectors	Two NL4 Connectors	4-Pin detachable Phoenix style	4-Pin detachable Phoenix style	4-Pin detachable Phoenix style
Overload Protection	Full protection	Full protection	Full protection	Full protection
Transformer Taps	N/A	N/A	N/A	6.5, 12.5, 25, 50, 100 watts 70/100v
Mounting System	Four M8 studs on bottom of speaker	QuickSAM Heavy-Duty Strong-Arm Mounting Bracket		
Built-In Monitor Angle	Yes	No	No	No
Available Colors	Black	Black/White	Black/White	Black/White
Included Accessories	None	QuickSAM Mount	QuickSAM Mount	QuickSAM Mount
Dimensions (H x W x D)	17.75 x 11.12 x 10.35"	17.75 x 11.12 x 10.35"	17.75 x 11.12 x 10.35"	17.75" x 11.12" x 10.35"
Weight	18.5 lbs.	18.5 lbs.	18.5 lbs.	12 lbs.

FBTMaxX

Powered Speaker Systems

The new generation of FBTMaxX speakers is made of polypropylene with gas injection molding, producing an ultra-light FBT product that is extremely sturdy. The special design, coupled curves and rounded edges, permits multi-functional application in all audio-professional application systems: such as stage monitors, for wall or ceiling installation and with special adapters to stack the enclosures. Special attention has been paid to the accessibility of controls in all conditions of use. FBTMaxX is the perfect marriage of power, mechanics and leading-edge technology.

**FBTMaxX 2A**

- ◆ Extremely light and sturdy enclosure made of polypropylene with gas injection molding
- ◆ 200w RMS 10" low frequency woofer with a Neodymium magnet and die-cast aluminum frame, and a 50-watt RMS 1" high frequency compression driver with Titanium diaphragm coupled to a custom-designed constant directivity 90° x 60° horn.
- ◆ The control panel designed for accessibility under all operating conditions, features both Neutrik XLR and 1/4" inputs, mic/line switch and ground lift switch. Volume control, variable gain control, 3-band EQ, and LED clipping indicators are also provided.
- ◆ Incorporates ADAP (Advanced Dynamic Active Protection) Processor for total protection of the LF & HF drivers and a 24dB/oct active crossover filter.
- ◆ Frequency response is 50Hz to 20kHz and it will handle 250 watts @ 8 ohms.
- ◆ The built-in ergonomically designed carry handle allows for a "balanced" feel when transporting.
- ◆ Built-in stacking adapters enable cabinet stacking and two M-10 flying points for wall or ceiling mounting, either vertically or horizontally, as well as a standard 1 3/8" speaker socket for speaker stand mounting.

FBTMaxX 4A

Same as FBTMaxX 2A except:

- ◆ 300w RMS 12" LF woofer with a Neodymium magnet, die-cast aluminum frame, and a 100w RMS 1" HF compression driver with Titanium diaphragm coupled to a custom constant directivity 90° x 60° horn.
- ◆ Frequency response is 50Hz to 20kHz and it will handle 400 watts @ 8 ohms.
- ◆ Four M-10 flying points

FBTMaxX 6A

Same as FBTMaxX 4A except:

- ◆ 700w 15" LF woofer with a Neodymium magnet and die-cast aluminum frame, and a 200w RMS Class G high frequency compression driver with Titanium diaphragm coupled to a custom-designed constant directivity 90° x 60° horn.

FBTMaxX 9SA

- ◆ 900 watt RMS 15" dual coil low-frequency woofer with a Neodymium magnet and die-cast aluminum frame.
- ◆ Frequency response is 40Hz to 125Hz and it will handle 400 watts @ 8 ohms.
- ◆ Two M-10 flying points for wall or ceiling mounting, either vertically or horizontally, as well as a standard 1 3/8" speaker socket for speaker stand mounting.
- ◆ Control panel features left and right channel inputs with a built-in crossover, both input channels with XLR/Neutrik input, XLR Neutrik link connectors, XLR high pass filtered output and volume control.

ACTIVE VERSION

	FBTMaxX 2A	FBTMaxX 4A	FBTMaxX 6A	FBTMaxX 9Sa
LF Driver	10"	12"	15"	15"
HF Driver	1"	1"	1.4"	—
Built-in LF/HF Amplifier	200W / 50W	300W / 100W	700W / 200W	900W / —
Frequency Response	50Hz - 20kHz	50Hz - 20kHz	40Hz - 20kHz	40Hz - 125kHz
Sensitivity@1W/1m dB	97	98	98	97
Input Impedance	22kΩ	22kΩ	22kΩ	22kΩ
Max. SPL	121dB	123dB	128dB	126.5dB
Dimensions	13.9 x 21.7 x 12.1"	16 x 25 x 13"	19 x 29.9 x 15.7"	19.5 x 25.5 x 19.1"
Net Weight	28.6 lb.	35.3 lb.	72.8 lb.	64 lb

PASSIVE VERSION

	FBTMaxX 2	FBTMaxX 4	FBTMaxX 6	FBTMaxX 9S
Power Handling	250W	300W	700W	900W
Impedance	4 or 8Ω	4 or 8Ω	4 or 8Ω	4Ω
Net Weight	22 lb.	28.6 lb.	64 lb.	57.3 lb.

JOLLY

Live Sound Reinforcement Speakers

FBT's JOLLY active series encompasses a complete range of 2-way, bi-amplified sound reinforcement monitors and subwoofers. Each 2-way, full-range monitor features polypropylene molded enclosures, and are available with woofer diameters of 5-, 8- and 12". The subwoofers utilize a vented band-pass design and are available with 10- and 12" woofers and feature birch plywood enclosures with a scratch-resistant finish.

Models 5BA, 8BA and 12BA feature mic/line switchable XLR / 1/4" combo input with volume control and two band (high and low) EQ, XLR male output, ground lift switch and ADAP (Advanced Dynamic Active Protection) limiter. Models 5RA, 8RA and 12RA offer XLR / 1/4" combo input with volume control, XLR male output, ground lift switch and ADAP (Advanced Dynamic Active Protection) limiter. Also available are the Sub 10a - 10" woofer, and the Sub 12a - 12" woofer, which are housed in birch plywood enclosures and feature left and right XLR / 1/4" combo inputs, XLR Link, XLR filtered output for satellites, volume control, ground lift switch, and 0° - 180° phase reversal switching, as well as ADAP (Advanced Dynamic Active Protection) limiter.



Jolly 5 - Accessories

MS30BK Adapter (FBAJ5BK): Jolly 5 to microphone stand**8.95**

Directional Wall Mount: Available in Black (FBSJ5BK) and White (FBSJ5W)**39.95**

Steel Flange, Recessed (FSSJ5CW): For wall or ceiling mounting. White finish**19.95**

Horizontal Wall Mount: Available in Black (FBSJ5UBK) and White (FBSJ5UW)**23.95**

Nylon Carrying Case (FBV36)**39.95**

Adjustable Floor Stand (FBMS30BK)**CALL**

Adjustable T-shaped Support (FSSJ5T): For 2 speaker cabinet**CALL**

Jolly 8 - Accessories

35mm ø to 25mm ø Adapter (FBAJ8BK)**19.95**

Directional Wall Mount (FBSJ8BK)**58.95**

Horizontal Wall Mount (FBSJ8UBK)**33.95**

Nylon Carrying Case (FBV37)**49.95**

Metal Floor Stand (FBBOX20BK)**59.95**

Adjustable T-shaped Support (FSSJ8T): For 2 speaker cabinet**CALL**

Jolly 12 - Accessories

Horizontal Wall Mount (FBBOX112)**64.95**

Nylon Carrying Case (FBV38)**59.95**

Metal Floor Stand (FBBOX30BK)**CALL**

Metal Floor Stand (FBBOX40BK)**CALL**

Adjustable Subwoofer to Satellite Speaker Mounting Pole (FBBOX50): With safety locking device**CALL**

	Jolly 12B A	Jolly 12R A	Jolly 8B A	Jolly 8R A	Jolly 5RA	Jolly 5BA	Jolly SUB 12A	Jolly SUB 10A
Internal Amplifier W rms	250+50	150+50	150+50	80+20	60+20	60	300	300
Frequency Response @-6dB	50Hz - 20kHz	60Hz - 20kHz	60Hz - 20kHz	70Hz - 20kHz	80Hz - 20kHz	90Hz - 20kHz	40Hz - 120Hz	45Hz - 120Hz
Low Frequency Woofer Voice Coil	1x 12.5" 2" coil	1x 12.5" 2"	1x 8" 1.5"	1x 8" 1.5"	1x 5" 1"	1x 5" 1"	1x 12" 2.5"	1x 10" 2"
High Frequency Driver Voice Coil	1 x 1" + horn 1"	1 x 1" + horn 1"	1 x 1" + horn 1"	1x Tweeter+horn 0.8"	1x Tweeter 0.8"	1x Tweeter 0.8"	-	-
Maximum SPL dB	123	121	119	114	112	107	126	123
Dispersion HxV	90° x 60°	90° x 60°	90° x 60°	90° x 60°	90° x 60°	90° x 60°	-	-
Crossover Frequency kHz	active 1.8kHz	active 2kHz	active 2kHz	active 2.5kHz	active 2.7kHz	passive 3.5kHz	active 120Hz	active 120Hz
Dimensions (WHD)	16 x 26 x 15"	16 x 26 x 15"	10 x 16.3 x 9.65"	10 x 16.3 x 9.65"	6.7 x 10.8 x 7"	6.7 x 10.8 x 7"	16 x 21.6 x 23"	14.5 x 19 x 20.5"
Weight	40.75 lbs.	35.25 lbs.	18 lbs.	12 lbs.	7.75 lbs.	6.6 lbs.	77 lbs.	61.75 lbs.

EON G2

Hassle-free with professional sound quality and performance, JBL's EON G2 series is designed for applications ranging from live sound reinforcement, speech and vocals to music playback in entertainment, A/V and institutional environments. Consisting of the compact EON10 G2 (10" woofer) and full-range EON15 G2 (15" woofer) powered speakers with three input mini-mixer, and the EONSUB G2 powered subwoofer, they are ideal for hotels, meeting planners, AV companies and just about any application where portable compact sound reinforcement is required. They deliver 125 and 300 watts of power (respectively) to a Neodymium Differential Drive low frequency driver. The driver boasts a dual neodymium magnet and dual voice coil motor that delivers high output and low distortion from a lightweight woofer. Meanwhile, the high frequency amplifier delivers 50- and 100 watts of power to a titanium diaphragm compression driver with ferro-fluid cooling. JBL's revolutionary "ThermoMaster Total Thermal Management System" eliminates the need for any internal or external cooling fans. Instead, a single piece, cast-aluminum baffle integrates the woofer frame, horn and amplifier heat-sink while air movement through the finned ports dissipates heat. With their integrated three-input mixer, the speakers can directly accommodate electronic keyboards, drum machines, electrified acoustic guitars, and microphones. An additional XLR output allows the speakers to be daisy-chained together or send the mixed output to an external mixing console.



With 125 watts for low frequencies and 50 watts for the highs, the EON10 G2 can be used in AV applications, smaller musical and spoken word performances. Versatile cabinet design allows use in several ways: As a front of house speaker, sitting on a flat horizontal surface or raised in the air using standard tripod speaker stands. Angled back allows use as a vocal or instrument monitor on stage. The EON10 G2 can also be snugly placed atop the EONSUB G2 powered subwoofer for added volume and extended bandwidth. Combined, they provide a full range sound system for small and medium sized events.

With 400 watts of power, excellent sound quality, easy to transport and set up, the EON15 G2 is at home as a main PA or on stage as a monitor. Use by itself for casual solo or duo work, or combine multiple EONs into a complete, powerful PA system. Electric guitarists using amp modeling modules will find that the clean, full-range sound of EON15 G2 reproduces all of the subtle tones the modules can produce.

- ◆ Multi-angle enclosure for FOH or stage monitor applications
- ◆ 60° x 90° constant directivity horn
- ◆ 10" Differential Drive low frequency driver with neodymium magnet for light weight and reduced distortion
- ◆ 1" JBL compression driver with titanium diaphragm and ferro-fluid cooling
- ◆ 125 watt low-frequency and 50 watt high-frequency (bi-amplified) amplifiers – actual power delivered to the drivers

EON10 G2

- ◆ Selectable balanced mic/line input and one dual-channel, 1/4" TRS line-level input
- ◆ Balanced loop/mix output. "Daisy-chain" additional EON speakers or send the mixed output to a mixing console
- ◆ Rugged, lightweight, black co-polymer enclosure
- ◆ Integral 35mm pole mount receptacle with securing thumb screw
- ◆ Attachment points for fixed-angle and adjustable mounting brackets

EON15 G2 Step-up Features

- ◆ 15" Differential Drive low-frequency driver with dual neodymium magnet for light weight and reduced distortion
- ◆ 1" (throat diameter) JBL compression driver with 1.75" titanium diaphragm and ferro-fluid cooling
- ◆ 300 watts low-frequency and 100 watts high-frequency (bi-amplified) - actual power delivered to the drivers.
- ◆ One balanced mic/line input, two 1/4" phone line-level inputs.
- ◆ Two-band equalization.
- ◆ Extended low-frequency performance — delivers powerful bass down to 39Hz.
- ◆ Tailored dynamic processing protects amplifiers and speakers from being over-driven without producing extreme changes in frequency response as level varies.

EON G2

EONSUB G2

The EONSUB G2 offers powerful low frequencies in a compact, durable enclosure, making it a perfect companion for either the EON10 G2 or EON15 G2 powered speaker, or any sound system that needs additional low end.

When you combine the EONSUB G2 with the EON10 G2 or EON15 G2, you have a full range sound system whose clarity, volume and low end are truly amazing, considering their small size. Because the power amp and crossover are internal to all EON speakers, set-up time and outboard equipment are minimized. Just plug in and play.

- ◆ 250 watts of low-end power and a frequency range of 40 to 200Hz.
- ◆ Patented Neodymium Differential Drive woofer generates maximum efficiency with minimum weight.
- ◆ Thermomaster cooling system allows the amplifier and 15" woofer to stay cool, even under the most challenging circumstances, without the need for noisy fans or protruding external heatsinks
- ◆ Specifically designed to securely hold the EON10 G2 using receptacles built into the top of the EONSUB G2
- ◆ Scratch-forgiving black covering and embossed grill cover for added rigidity

EON G2 Accessories

Suspension Kit for EON15 (JBESK15).....35.95

Suspension Kit for EON10 (JBESK10).....27.95

**Fixed Angle Mounting Bracket (JBEONBRK1)
For EON 15" models.....44.95**

**Fixed Angle Mounting Bracket (JBEONBRK2)
For EON 10" models.....34.95**

**Black Anodized Aluminum
Tripod Speaker Stand (JBSS2BK).....142.50**

**Zippered, Plush-Lined Cordura Bag
(JBEON10B): For EON 10 G244.95**

**Zippered, Plush-Lined Cordura Bag
(JBEON15B): For EON 15 G2.....53.95**

**Zippered, Plush-Lined Cordura Bag with
Wheels (JBEON15BW): For EON 15 G2.....104.95**

E-Systems

JBL offers the EON10 and EON15 G2 in complete full-function sound systems that include two speakers, a mixer, two JBL dynamic M50S microphones and four 25' XLR cables for connecting the mixer to the microphones and speakers. Ideal for speeches, schools, churches or any application that requires quality sound in a smaller venue, the 14-input, 350 watt EON10 G2 sound system includes the Soundcraft E6 mixer and a pair of EON10 G2 speakers. When combined with the EONSUB G2 subwoofer, the power of the system is more than doubled. Featuring twice the power and greatly enhanced sound, the 16-input, 800 watt EON15 G2 System sound system includes the Soundcraft E8 mixer and two EON15 G2 speakers.



THE ORIGINAL EON SERIES



EON was the first professional sound system made to be truly portable. The secret behind EON's feather-weight is a rare earth material called neodymium with 10 times the magnetic strength of ceramic magnets, enabling a few ounces of neodymium to replace nearly 20 lbs. of conventional magnetic materials. For flexibility, the EON speakers are built to work as both upright speakers and wedge monitors. With ergonomic handles and light weight, they are remarkably easy to carry. Simple to set up. And a pleasure to use.

EON 15P-1

The EON 15P-1 is a two-way powered speaker system which incorporates a discrete 130 watt power amplifier for low frequencies and a 50w power amplifier for the high-frequency driver in a light weight rugged enclosure. Designed for multi-purpose usage, the EON 15P-1 may be driven from a mixer or a single microphone.

EON 1500

The EON 1500 is designed for use with a powered mixer or external amplifier. Features proven JBL components like a liquid-cooled compression driver and SonicGuard protection. It's unique design allows you to use them as a main speaker, tripod mounted or a dual-angle floor monitor. Accepts a 1/4" phone jack or Speak-On input connection wired in parallel for ease of hookups.

MPro 200 SERIES

The MPro Series speakers are designed for music pros looking for professional performance and appearance in live sound reinforcement speakers. The MPro line has two segments, the 200 Series with carpet-covered enclosures and the 400 Series with higher power handling, DuraFlex coated enclosures and a Crown-powered Subwoofer.

The MPro 200 Series features premium-grade carpet covered 18mm plywood enclosures. The edges of the carpet are captured by the joint detail to prevent visible seams or peeling. The large-mouth horn design of the MP212, MP215 and MP225 delivers smooth, natural reproduction – especially in the critical mid-range. A 16-gauge, steel grille protects the woofers.

The MP400 Series features JBL's DuraFlex-coated enclosures and a Crown-powered subwoofer. The MP412 and MP415 feature the ARD (Annular Ring Diaphragm) compression driver to deliver extraordinary high-frequency extension.



FEATURES

They All Feature

- ◆ 70° x 70° horn designed for even coverage and smooth response on and off axis.
- ◆ Ferro-fluid cooled compression driver with titanium diaphragm.
- ◆ SonicGuard protects high-frequency driver from excess power without interrupting the performance.
- ◆ Low frequency drivers with 2½" (64 mm) edgewound voice coil.
- ◆ Rectangular (MP212/225) and trapezoidal (MP215) enclosures constructed of 18mm plywood using tongue-and-groove joint detail for durability and years of service.
- ◆ Molded baffle is constructed of SMC (sheet molding compound), a durable, cross-linked thermo-plastic also used in automotive body panels.
- ◆ Laminar Flow Baffle reduces distortion and diffraction effects by providing smooth, rounded baffle contours.
- ◆ Precision engineered crossover for optimal power response and performance in the critical mid-range region.
- ◆ Covered in dark gray, premium grade, 12 oz. carpet - the most durable and attractive carpet covering available.
- ◆ An attractive 16-gauge, hexagon perforated, steel grill protects speaker components from damage.
- ◆ Input panel includes a Neutrik Speakon NL-4 input and a 1/4" phone jack for flexible connectivity.
- ◆ 35mm pole mount receptacle (all except the MP225).

The MPro line offers a unique, professional appearance, superb acoustical performance and cutting-edge configurations. MPro includes the first mid-priced subwoofers to offer VGC (Vented Gap Cooling) technology and the first speaker systems offering JBL's Laminar Flow Baffle technology. The JBL Laminar Flow Baffle incorporates smooth, contoured surfaces that greatly reduce distortion caused by turbulence and diffraction. Constructed of Sheet Molding Compound (a super tough, cross-linked, polymer also used for automotive body panels), this one-piece baffle integrates horn, ports and woofer-mounting into a single part. This permits features to be tightly spaced, allowing a large horn-mouth (for improved mid-range and directivity performance) without making the cabinet too large.

MP212

12" Two-Way Speaker

Compact, portable, 12" two-way speaker in a multi-angle enclosure that's equally at home as a FOH (front-of-house) speaker or as a stage monitor. Designed for portable applications in live performance, music playback and speech reinforcement, the MP212 delivers excellent performance by itself or as a satellite over the MP255S subwoofer.

MP215

15" Two-Way Speaker

The MP215 is a portable, 15", two-way speaker designed for live performance, music playback, and speech reinforcement.

MP225

Dual 15" Two-Way Speaker

The MP225 is a portable, dual 15", two-way speaker system designed for live performance, music playback, and speech reinforcement. The crossover network employs separate low-pass filters for each woofer. The lower woofer is rolled off at a lower frequency than is the upper woofer. This reduces mid-range phase anomalies while retaining the strong low-frequency output that is the primary appeal of a dual woofer system.

MPRO 200 SERIES

MP255S

Dual 15" Subwoofer

The MPro MP255S is a dual 15" subwoofer designed to supplement and extend the low-frequency output of full-range systems in a variety of portable and fixed applications.

Bandpass design (uses two tuned chambers to shift its energy down into the low-frequency region) combined with an internal Low Pass Filter (to get rid of the remaining mid-range output) assures solid performance in bi-amplified or single amplified systems. While configured for vertical orientation, the speaker may also be used in a horizontal position when a larger footprint and lower vertical height are preferred.

- ◆ Dual 15" band-pass design puts the energy in the bass region where it's needed for "punch" and power.
- ◆ Low-pass filter blocks mid-range output from the subwoofer. Combined with the band-pass design, this assures that the MP255S will combine with the mid / high speaker for excellent low-frequency performance - even without a separate subwoofer amplifier. Even greater performance and control is possible in bi-amplified configurations.
- ◆ Dual Neutrik Speakon NL-4 input connectors provided for secure connection and loop-through capability.
- ◆ Input connections may be reconfigured for pin 1± or pin 2± for compatibility with any cabling scheme.
- ◆ Heavy duty casters mounted on the rear of the enclosure for easy transport.
- ◆ 35mm pole mount receptacle. 24" steel pole included



MP410 Series

The MPro 400 Series steps up with enclosures coated with JBL's exclusive DuraFlex - a rugged, advanced, poly-urea finish. They also feature dual Neutrik Speakon NL-4 input connectors. Designed for portable applications in live performance, music playback, and reinforcement of speech, the MP410, MP412 and MP415 deliver excellent performance by themselves or as satellites over the MP418S and MP418SP subwoofers.



MP410 10" Two-Way Speaker

The MP410 is a compact, portable, 10", two-way speaker system using JBL components in a professional quality enclosure that looks and sounds like the high-end, specialty speaker systems that top audio pros rely on. It incorporates a 10", woofer with 2", edge-wound voice-coil. Surround design is optimized for maximum excursion and low distortion using FEA (finite element analysis) modeling. The compression driver with pure titanium diaphragm and ferro-fluid cooling provides improved smoothness and thermal power handling.

MP412/MP415 12" and 15" Two-Way Speakers

The MP412 and MP415 are portable 12" and 15" two-way speaker systems in a multi-angle enclosure that supports main PA or stage monitor applications. Their high-frequency performance makes them outstanding choices for high-level music playback, especially when combined with subwoofers.

- ◆ JBL 2023 12" and 2033 15" woofer with 3", edge-wound voice-coil. SHG (Selective Harmonic Geometry) technology reduces harmonic distortion and improves power response.
- ◆ With a design that combines very high motor strength with low moving mass, their unique, ARD (Annular Ring Diaphragm) compression driver delivers smooth, extended high-frequency output to 20kHz.
- ◆ High power handling - 350 watts (average) and 1,400 watts (peak) power capacity.

MP418S/MP418SP 18" Subwoofer Systems

The MPro MP418S (passive) and MP418SP (powered) compact subwoofers, each with a single 18" speaker, are housed in bass reflex enclosures. Both subs utilize a VGC (Vented Gap Cooling) 18" low frequency transducer which is designed to handle up to 600 watts (RMS). The MP418SP is powered by a Crown dual channel amplifier with 660 watts RMS per channel into 4 ohms or 400 watts RMS into 8 ohms. One amp powers the internal sub, while the other can be used to power a satellite or MP418S. The MP418S offers a pair of Neutrik Speakon NL-4 connectors for inputs.



C200 / C300Z

Passive 10" and 12" 2-Way Speakers

The C200 and C300z with 10" and 12" LF transducer, respectively, are the portable, passive cousins to the popular SRM350 and SRM450 active monitors. Both units are housed in impact-resistant enclosures with sturdy handles, pole-mount, and integrated rigging points, and offer Speakon and 1/4" connectors for connecting to a powered amp or mixer. They are ideal for use in a portable or fixed sound system and work seamlessly with Mackie's PPM Series powered mixers.

The C200's 10" LF transducer is complemented by a 1.4" HF titanium compression driver and a low-impedance compensated crossover and transducer protection system that combine to deliver 500W peak power handling at 8 ohms. The C300z's 12" LF transducer is accompanied by a 1.75" HF compression driver that delivers 750W of peak power handling.

**SRM350 & SRM450**

Active Sound Reinforcement Monitors



The SRM350 and SRM450 are portable, two-way bi-amplified, active sound reinforcement speakers designed for small to medium mobile and fixed installations. Both units provide a balanced XLR input that is conveniently switchable for mic and line operation, potentially eliminating the need for an external mixer. Both units are built into rugged, lightweight, high-impact polypropylene enclosures with recessed 'D' handles, M5 rigging points and pole mounts.

The SRM350 features discrete 165w and 30w amplifiers for the 10" LF transducer and 1.4" high-output precision titanium compression driver, respectively. The SRM450 features 300w and 100w amplifiers for the 12" LF transducer and 1.75" high-output precision titanium compression driver, respectively.

	C200	C300Z	SRM350	SRM450
Speaker Type	2-way passive	2-way passive	2-way active	2-way active
Frequency Response (-3 dB):	89Hz - 20kHz	55Hz - 18kHz	83Hz - 18.5kHz	55Hz - 18kHz
Frequency Range (-10 dB):	59Hz - 22kHz	45Hz - 20kHz	61Hz - 22kHz	45Hz - 20kHz
Maximum SPL Long-term @ 1m:	118dB	123dB	118dB	127dB
Crossover Frequency:	1.8 kHz	1.8 kHz	2.4 kHz	1.6 kHz
Power Handling (RMS/Peak) (8Ω):	200 watts / 500 watts	300 watts / 750 watts		
LF Amplifier (continuous)	N/A	N/A	165 Watts	300 Watts
HF Amplifier (continuous)	N/A	N/A	30 Watts	100 Watts
Dispersion	90° x 80°	90° x 45°	90° x 80°	90° x 45°
Dimensions H x W x D	20.75 x 13.1 x 12.25"	26 x 15.4 x 14.8"	20.75 x 13.1 x 12.25"	26 x 15.4 x 14.8"
Weight	26 lbs.	43 lbs.	32 lbs.	51 lbs.

400 SERIES

Precision Passive Loudspeakers

Comprised of the S408 full-range loudspeaker and the S410 subwoofer, Mackie's Precision Passive loudspeakers utilize Tetrad, a proprietary technology developed by both Mackie and EAW, that employs four drivers, instead of one, to deliver superior definition with a much greater coverage area than conventional loudspeaker designs.

The portable S408 can handle 600W of power RMS at 8 Ohms, and features four 8" LF transducers and a 1" HF driver feeding a large high frequency horn with a 75 by 40° dispersion. It has a frequency response of 60Hz - 22kHz. Locking NL4 (Speakon) connectors are provided on the rear panel, for input and parallel thru connections. The S408 offers four top and side mounted handles, for easy transport, and is horizontally and vertically flyable via 12 integrated 3/8" threaded inserts. The S408 can also be pole mounted using commercially available speaker stands, and is easily stackable atop the 410. Additionally, the symmetrical trapezoidal design allows the S408 to be used for monitor wedge applications.

The S410 subwoofer can handle 750W of power RMS at 8 Ohms, and features four 10" woofers designed to deliver improved transient response vs using a single 18" sub. The S410 has a frequency response of 40Hz - 400Hz and features an integrated, high quality 180Hz low pass filter that eliminates the need for an external crossover, when used with the S408 loudspeaker. The S410 has recessed foothold for stacking an S408 or additional S410. It also offers a pole mount receptacle on the top and can be transported using its two side-mounted carry handles. Two Speakon connectors are provided for inputs and pass through.



SWA-1501 15" High Output, Active Subwoofer System



Ideally suited for small to medium sized touring and mobile DJ applications as well as fixed installations in churches, corporate facilities, and nightclubs, the SWA-1501 features high-quality 15" RCF Precision transducers with high-temperature inside/outside coil combined with a 500-watt continuous/700 watt peak (SWA-1501) application-specific amplifier. Together, these robust components allow them to deliver an impressive 128dB of peak output. The SWA-1501's cabinet is constructed with 18mm thick, 13-ply Baltic-Birch plywood finished in back splatter paint and equipped with cast aluminum side handles for efficient loading and transport as well as a female pole mount fixture.

Input output options allow them to be easily configured for most any application. Stereo and mono inputs are provided through XLR style connectors while a high-pass output allows for connection to active full-range speakers or amplifiers powering passive full range speakers. Four function LEDs provide power on, limit, signal present, and thermal condition indication. A rotary level control allows adjustment from -15dB to +5dB.

EXPEDITION EXPRESS SERIES

All-In-One
Portable PA System

Expedition Express is the total solution to professional sound, made portable. It gives you everything you need to make a professional presentation anywhere you can roll it. Expedition Express is a great solution for performers on the move. Bands, mobile DJ's, schools, houses of worship, corporate A/V and institutional applications—anywhere portable, high quality sounds required. Unlike most portable PA systems, the Expedition Express is designed to sound great. Not just for public speaking either—but for live and recorded music, too.

The system is comprised of a pair of rugged, acoustically balanced two-way loudspeakers, a 4-channel mixer with DSP, a powerful 250-watt amplifier and all the accessories you need. What's more, the system interlocks, and packs up into a single rolling unit so it's easy to transport.



The Expedition Express combines a powered speaker with built-in amplification and controls, and a light-weight second speaker or "slave". When set up for performance, the two cabinets are connected by a single cable. When they are packed of for the road, the lightweight passive speaker cabinet locks into the top of the amplified speaker cabinet with a unique auto-locate mechanism. Each loudspeaker is housed in a lightweight, yet heavy-duty, molded resin cabinet with extensive internal bracing to give it rigidity, low resonance and the maximum possible volume.



Pro Quality Electronics

The Expedition Express's integrated 250-watt amplifier is perfectly matched to the drivers for surprisingly high efficiency. The sound is clear and hard-hitting. Built-in digital signal processing (DSP) adds dramatic pro-quality effects like reverb and echo at the flip of a switch. Selecting from six preset effects makes getting great sound easy and fast.

- It features custom designed high and low frequency drivers. The High Frequency section employs an elliptical wave-guide horn that offers extra wide dispersion for maximum coverage.
- With molded-in handle and wheels, you can roll the cabinet anywhere you want. This makes Expedition Express ideal for boardrooms, classrooms and fitness studios, either as a portable speaker or mobile all-in-one sound system.
- The Expedition Express takes the guesswork out of public presentations. Everything you need is in one package: Speakers, built-in mixer with DSP, Samson microphone and all the cables. Best of all, you don't have to be an engineer to hook it all up. Sets up (and packs up) in less than five minutes.

ACCESSORIES

Expedition Express All-In-One Portable PA System (SAEX250)

Includes a cardioid dynamic microphone, a microphone clip, microphone cable, extension speaker cable,2x protective nylon carrying cases and a 1-year warranty. Weighs 84.4 lb.....**\$599.00**

Rechargeable Battery (SARB2030)

RB2030 rechargeable battery kit is for high quality sound anywhere electricity is not available - from the street to the beach, from parks to pool-side.....**\$89.95**

EXPEDITION PRO SERIES

Three Enclosures, Unlimited Possibilities

The Expedition series are versatile two-way loudspeaker enclosures with Celestion woofers, telescoping handle and locking wheels, available in three different versions: passive (XP100), powered (XP200) and powered with a built-in 4-channel mixer and digital signal processing (XP300). Delivering huge sound with lots of headroom, a smooth top end and articulate bass response—without taking up much space, these loudspeakers represent smart solutions for clubs and performance halls, mobile DJ use, houses of worship, corporate A/V, fixed installations and any application where portable audio is required. Incredibly rugged, Expedition enclosures are injection-molded with Polypropylene construction with substantial internal bracing supporting the nearly 1/2" thick side wall construction. Convenient fly-points, a steel grille and a scuff-resistant textured finish ensure extreme versatility, ruggedness and dependable performance. To finish your system, a range of Expedition options are available including a rechargeable battery kit, a cassette recorder/player with pitch control and plug-in Samson VHF and UHF micro wireless systems.



XP100

The passive XP100 enclosure is housed in a sleek molded cabinet with substantial internal bracing to support its thick side wall construction. Designed to be lightweight and compact, the XP100 is still rigid enough to allow maximum energy to be transferred from the cabinet into the room. Two 1/4" Speakon connectors, convenient fly-points, a steel grill and scuff-resistant textured finish ensure exceptional versatility and long life. The XP100 is a passive enclosure equipped with a custom designed, Kevlar-impregnated 12" Low Frequency driver with a 2.5" voice coil and a 49 oz. barium ferrite magnet to produce an accurate, super-tight bass response. The XP100's High Frequency section employs a 1" titanium compression driver along with an elliptical wave guide horn that controls dispersion. This in combination with a phasing plug produces a linear overall response with a clear, musical top end.

XP200

Using the same cabinet and speaker design as the XP100 the XP200 adds 200-watts of bi-amped power. It also includes an active crossover and built-in limiter with two XLR inputs.

The XP200's power module gives you three stages of speaker protection, including relay switching for power up and power down. The onboard limiter circuit ensures a clean output even when you push it to maximum sound pressure levels. Because of its perfectly matched amplifier and speakers, the XP200 is particularly effective as a powered monitor.

AC daisy-chain output for adding additional Expeditions enclosures in stereo, recording and presentation or performance applications.

Exceptional Versatility



Because of their telescoping (as well as retractable) handle and wheels, you can pull out the handle and roll the cabinet anywhere you want. This makes the Expedition series ideal for boardrooms, classrooms, and fitness studios, either as a portable speaker (XP100 or XP200) or mobile all-in-one sound system (XP300).

Optional hardware allows you to mount Expedition cabinets on wall and ceilings. The MP1020 mounting plate makes it easy to install the cabinets anywhere you want and is compatible with industry standards such as Omnimount.

In an angled position, they make perfect wedge monitors.



SAMSON

XP300 Expedition Pro

The most comprehensive version of Expedition, the XP300 is a powered loudspeaker with a built-in 4-channel stereo mixer and digital effects processing. This all-in-one PA system is ideal for people who want superior audio anywhere they go. Whether you just want rugged and versatile loudspeaker enclosure that consistently delivers big sound, or a complete professional audio system in a highly mobile design for today's fast-paced world, the XP300 is the answer.

The XP300's mixer features two bands of equalization, two Mic/Line channels and a Stereo Channel with a mic preamp. In addition to a standard TRS stereo line input, channel three also has RCA inputs that allow you to easily interface a CD, Mini Disk or Tape player. The digital processing section consists of six high-quality presets that range from a touch of room ambience to lush, reverberant halls. Versatile and easy to use, the XP300's mixer has balanced XLR Left and Right outputs for daisy-chaining additional enclosures (XP200) in stereo, recording and presentation or performance applications. The mixer's output can be monitored via its multi-segment VU meter, and there is also an LED meter indicating power level available from the optional RB20/30 rechargeable battery cartridge.

Like the XP100/200, the XP300's enclosure is equipped with a custom designed, Kevlar-impregnated 12" Low Frequency driver with a 2.5" voice coil and a 49 oz barium ferrite magnet to produce an accurate, super-tight bass response. The XP300's High Frequency section employs a 1" compression driver along with an elliptical wave guide horn that controls dispersion. This in combination with a phasing plug produces a linear overall response with a clear, musical top end.



EX500 Active Subwoofer

The EX500 active subwoofer can produce 500 watts of power in tandem with a custom, heavy-duty 15" low frequency driver. It functions as an ideal complement to Expedition series cabinets, or any loudspeaker system, when the application requires a focused yet deep bass response. The built in stereo crossover lets you use the EX500 in mono or as a common subwoofer in a stereo system. It also features a steel grill and rigid corners for durability, as well as an integral pole mount for conveniently mounting Expedition cabinets.

db500a Active Monitor System

Inside the rigid custom designed cabinet is an exclusively designed 15" driver, matched with a 1.75" Neodymium high frequency driver, aimed through a 1" diameter horn. The dB500a features 500 watts of Class H power (400 watts low frequency/100 watts high frequency) and has a crossover designed for high SPL. The exclusive Optimax signal processing circuitry provides total speaker protection but won't cut the low end at high volumes, as similar speakers with sliding filters do.

The back panel has a built-in mixer-like preamp section with mic and line inputs, XLR connectors and level controls. Controls for the selectable low pass filter and Optimax processing are also included.

The dB500a speaker cabinet features an array of mounting options. Designed with floor monitoring in mind, they are also easily stacked or permanently installed. A 1 3/8" pole receptacle is built in, and 10 reinforced fly points are available.



TXD SERIES

2-way Passive Loudspeakers

The Turbosound TXD Series two-way passive loudspeakers are designed for a variety of sound reinforcement mobile and fixed install applications. Consisting of the TXD-081, TXD-121, and TXD-151 with 8-, 12-, and 15" reflex-loaded low frequency drivers respectively, and 1" high frequency drivers that are complimented by an internal passive crossover that ensure seamless transition between the HF and LF drivers. The crossover circuitry features a two-stage thermal overload protection system, that applies transparent compression to the high frequency drivers as level increase. Two Neutrik Speakon NL4MP speaker connectors allow input and parallel connections to between TXD series cabinets and bass enclosures.

The TXD Series loudspeakers are constructed out of 1/2" (TXD-081) or 5/8" (TXD-121, TXD-151) birch plywood that is screwed and glued together for maximum rigidity, while a grey powder coated perforated steel mesh grille protects the speakers. Mounting options are provided via a 35mm pole socket, as well as rigging points on the top and rear of the cabinets for suspended and angled placement in permanent installations using shoulder eyebolts. Additionally, the enclosure is also fitted with internal rigging points for use with Turbosound and Omnimount wall and ceiling brackets. Rear access recessed flush handles provide easy transport.



Passive Subwoofers

Also available in the TXD Series are the TXD-115 and TXD-118 passive, front-loaded 15" and 18" subwoofers (respectively). Constructed out of 5/8" birch plywood and with pole mounting and optional M10 eyebolts for suspending the units, both subs are ideal for adding extended low frequency capabilities to the TXD Series' 2-way speaker systems.

	TXD-081	TXD-121	TXD-151	TXD-115	TXD-118
Speaker Type	Two-way Passive	Two-way Passive	Two-way Passive	Subwoofer	Subwoofer
LF Driver	8"	12"	15"	15"	18"
HF Driver	1" Waveguide	1" Compression Driver	1" Compression Driver	N/A	N/A
Frequency Response	70Hz - 20kHz \pm 4dB	60Hz - 20kHz \pm 4dB	45Hz - 20kHz \pm 4dB	43Hz - 150Hz \pm 4dB	36Hz - 150Hz \pm 4dB
Nominal Dispersion @ -6dB points	100°H x 60°V	70°H x 40°V	70°H x 40°V	N/A	N/A
Power Handling (Watts RMS/Program)	200 / 400	300 / 600	300 / 600	300 / 600	300 / 600
Recommended Amplifier Power	400 watts @ 8 ohms	600 watts @ 8 ohms	600 watts @ 8 ohms	600 watts @ 8 ohms	600 watts @ 8 ohms
Sensitivity (1 Watt @ 1 meter)	93dB	97dB	99dB	96dB	98dB
Maximum SPL	116dB Continuous	122dB continuous	124dB continuous	121dB continuous	123dB continuous
Nominal Impedance	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω
Passive Crossover	3kHz 12dB/oct HP 12dB/oct LP	1.8kHz 12dB/oct HP 12dB/oct LP	1.8kHz 24dB/oct HP 12dB/oct LP	12dB/oct LP @ 150Hz	12dB/oct LP @ 150Hz
Dimensions (HxWxD)	16.3" x 12.1" x 10.6"	21.8" x 16.2" x 13.9"	25.7" x 18.3" x 16.7"	25.7" x 18.3" x 16.7"	25.7" x 21.3" x 19.1"
Net Weight	24.9 lbs.	44 lbs.	61.6 lbs.	55 lbs.	61.6 lbs.

CLUB SERIES V

Unpowered Speakers

Ideal for clubs, church installations and small theaters, these rugged, durable performers have a proven track record.

Now in their fifth generation, Yamaha Club Series speakers feature larger enclosures for improved low-frequency performance, improved drivers for higher power handling, redesigned crossovers, stronger grilles, and dual Speakon and 1/4" connectors.

Club SeriesV speakers feature rugged steel handles, metal corner protectors, and heavy-duty steel grille for easy and secure handling.

Two input jacks mounted on a metal jack plate allow for loop-through connections. Rugged carpet-covered, trapezoid-style cabinets allow seamless array arcs. Black carpet covering also helps them stand up to abuse.



S112V and S115V

12- and 15" 2-way Loudspeaker Systems

The S112V and S115V are trapezoid shaped cabinets, with oversize steel handles, steel corner protectors, steel jackplate with two heavy duty 1/4" jacks, and a built-in pole socket (1 3/8") for easy stand mounting. The S112V's 12" woofer is a high power, custom design, the S115V's 15" woofer is a high power, cast aluminum frame, with a cooling port in the pole piece for extended high power handling. The high frequency driver on both the S112V and S115V is a custom 2" titanium diaphragm (1" exit) design with an exclusive phase plug that reduces harmonic distortion inside the driver itself. This driver is mated to a 90° x 40° constant directivity horn to give smooth, even coverage over the pattern of the horn. The internal passive crossover has protection circuitry to help guard against damage that may occur from over powering or sending clipping signals to the speakers.

SM10V/SM12V/SM15V

10-, 12- and 15" 2-way Floor Monitor Systems

The SM10V, SM12V and SM15V are low-profile, (horn beside woofer style) floor monitor cabinets, with steel corner protectors, steel grille to protect the woofers, and a heavy steel jackplate with 2 heavy-duty 1/4" jacks. A 1 3/8" pole socket is installed on the end of the cabinet for easy pole mounting, FOH (front of house) duty. They are covered in tough, abuse resistant black carpet. Their low frequency driver is a high power, cast aluminum frame, with a cooling port in the pole piece for extended high power handling. High frequency drivers are a custom, 2" diaphragm (1" exit) design with an exclusive phase plug that reduces harmonic distortion inside the driver itself. This driver is mated to a 40° x 90° constant directivity horn to give smooth, even coverage over the pattern of the horn. The internal passive crossover has protection circuitry to help guard against damage that may occur from over powering or sending clipping signals (underpowering) to the speakers.



CLUB SERIES IV



SW115V 15" Subwoofer

The SW115V is a low profile subwoofer system. Using a cast frame 15" driver, it is one of the most cost effective ways to add extra bass to your system. Long travel for solid bass down to 35Hz. Integral socket for main speaker pole. The SW115V has a frequency response of 35Hz-2kHz, a sensitivity of 95dB, and is 20" x 24" x 21". It weighs 64 lbs.

SW118V 18" Subwoofer

A low profile subwoofer, the SW118V uses a cast frame 18" drive to deliver powerful low frequency energy to augment smaller systems. Large, heavy steel handles make transporting the SW118V an easy one person job. 24" x 29" x 25".



S215V Dual 15" 2-way Speaker



The S215V is a trapezoid shaped cabinet, with oversize steel handles, steel corner protectors, and a steel jackplate with two heavy-duty 1/4" jacks. Its covering is tough black carpet, and it has a heavy gauge perforated steel grille for driver protection. The woofers are high power, vast aluminum frame, with a cooling

port in the pole piece for extended high power handling. The high frequency driver is a custom, 2" diaphragm (1" exit) design that mates to a 90° x 40° constant directivity horn to give smooth, even coverage over the pattern of the horn.

SW218V Dual 18" Subwoofer

The SW218V is a dual 18" subwoofer in a particle board enclosure (needed for rigidity). The drivers are butyl surround, long travel, 3" voice coil, vented pole drivers. They assure very high SPL (sound pressure level) operation without damage or fatigue. The enclosure is rectangular in shape, and the baffle is designed to fold back in the center of the cabinet to form the port for this bass reflex design. This unique construction keeps the large top and bottom sheets that form the top and bottom of the cabinet from resonating. This makes the cabinet one of the most rigid boxes available today. Installed in the top of the cabinet is a metal socket that accepts a 1 3/8" diameter tube to allow satellite placement of another loudspeaker.



Club Series V ('C' Version)

Club V loudspeakers with the C prefix are coated with a heavy-duty elastomeric spray coating. Designed as an installation alternative to the carpeted S versions, they can easily fit any décor. The finish is very tough, and readily paintable to match surroundings. The steel grilles are foam-lined with acoustically transparent material to provide a more subdued appearance.



C112V 12" 2-way Speaker (YAC112V)

With high-power woofer, titanium HF driver. Great for vocals.

C115V 15" Speaker (YAC115V)

15" cast frame woofer with 1000 watt peak power handling. Excellent for live music.

C215V 15" Speaker (YAC215V)

Two 15" cast frame woofers with 2000-watt peak power handling. Perfect where high sound pressure levels are required.

CM10V 10" Floor Speaker (YACM10V)

10" floor monitor with 1" titanium dome compression driver. Can also be used as a main speaker. Great where size is a concern.

CM12V 12" 2-Way PA Speaker (YACM12V)

12" 2-way floor monitor with 2" titanium HF driver. Rugged, low-profile design. Great for vocals.

CM15V 15" 2-Way Speaker (YACM15V)

15" 2-way floor monitor with wide frequency response. Pole socket allows use as a main speaker.

CW115V 15" 2-Way Speaker (YACW115V)

15" cast frame driver with efficient bass-reflex design. Integral socket for main speaker mounting. Solid response down to 35Hz**379.00**

CW118V 18" Speaker (YACW118V)

18" cast frame driver. 1200 watt peak power handling. Bass reflex design **429.00**

CW218V 18" Subwoofer (YACW218V)

Dual 18" subwoofer with unique folded baffle design. Low-profile cabinet...**649.00**

C112VA 12" 2-way Speaker with Flyable Hardware (YAC112VA)

12" hi-compliance woofer with 2" titanium compression driver, 12 integral fly points and bracket mount attach points. Terminal strip for easy wiring. Ready to hang right out of the box.

C115VA 15" 2-way Speaker with Flyable Hardware (YAC115VA)

15" version of the above. Ready to hang right out of the box.

C SERIES *and* FLYABLE MODELS

Model	C112V(A)	C115V(A)	C215V	CM10V	CM12V	CM15V	CW115V	CW118V	CW218V
Woofer	12"	15"	15" (2)	10"	12"	15"	15"	18"	18" (2)
Tweeter (Diaphragm)	2" titanium	2" titanium	2" titanium	1" phenolic	2" titanium	2" titanium	n/a	n/a	n/a
Frequency Response (-10db)	60Hz-16kHz	55Hz-16kHz	42Hz-16kHz	70Hz-20kHz	60Hz-16kHz	55Hz-16kHz	35Hz-2kHz	30Hz-2kHz	30Hz-2kHz
Power Handling*	175/350/700	250/500/1000	500/1000/2000	125/250/500	175/350/700	250/500/1000	250/500/1000	300/600/1200	600/1220/2400
Sensitivity	97dB	99dB	99dB	96dB	97db	99db	95db	96db	98db
Max SPL	126dB	129dB	132dB	123dB	126db	129db	125db	127db	132db
Dimensions (WHD)	16 x 25 x 13"	19 x 28 x 15"	19 x 46 x 23"	22 x 14 x 11"	25 x 16 x 13"	28 x 19 x 13"	20 x 24 x 21"	24 x 28 x 25"	48 x 23 x 26"
Weight	42.5 lbs.	60.5 lbs.	101 lbs.	27 lbs.	43 lbs.	57 lbs.	64 lbs.	71 lbs.	132 lbs.

* (noise Per IEC RS-426 specifications/program/peak)

BR SERIES Unpowered Speakers

The BR series consists of five speakers designed to fit the budgets of small churches, and schools, while delivering the full frequency response and high output of more costly systems. Although their "BR" prefix was chosen to represent "bass reflex", it also proves very appropriate for describing the line's advanced feature set...

Built Right...

Combining their knowledge of acoustics and advanced computer controlled woodworking, Yamaha Music Manufacturing in Thomaston, Georgia, crafts the BR line of sound reinforcement loudspeakers. This world class, environmentally friendly, ISO 14001-registered facility carefully assembles each cabinet to exacting tolerances. Each model's large steel handles, corner protectors, and built-in pole sockets, assure both durability and flexibility.

Better Response...

BR cabinets are carefully designed for the best balance of small, easy to handle size and great low-frequency response, using Bass Reflex technology. High-frequency response is also enhanced with a new titanium HF driver and 90° by 40° non-resonant horn.

Best Reliability...

BR-Series models are covered by a three-year warranty. With integral protection circuitry built into the passive crossover, you can expect a long life of high output and minimal distortion.



- ◆ A large non-resonant, constant-directivity horn provides even 90° x 40° high-frequency dispersion.
- ◆ Steel corner protectors keep your cabinets free from dings and damage associated with frequent transport.
- ◆ Large metal handles mounted at each cabinet's center of gravity make them very easy to carry.
- ◆ All models, including the monitors, come with stand/pole sockets for flexibility of use.

MODEL	BR10	BR12	BR15	BR12M	BR15M
Woofer	10"	12"	15"	12"	15"
Tweeter (diaphragm)			1" titanium		
Frequency Response (-10dB)	65Hz-20kHz	65Hz-20kHz	60Hz-20kHz	65Hz-20kHz	60Hz-20kHz
Power Handling (noise*/program/peak)	125/250/500	150/300/600	200/400/800	150/300/600	200/400/800
Nominal Impedance			8 ohms		
Nominal Dispersion	90° H x 40° V C.D.	90° H x 40° V C.D.	90° H x 40° V C.D.	40° H x 90° V C.D.	40° H x 90° V C.D.
Sensitivity 1W, 1m	96dB	97dB	98dB	97dB	98dB
Input Connectors			2x 1/4" Phone		
Approximate Dimensions (WHD)	14¾ x 21 x 12¾"	15¾ x 22½ x 13¼"	19" x 25¾ x 14½"	22½ x 16 x 13¼"	25¾ x 19¼ x 14½"
Weight	31.5 lbs.	35.2 lbs.	46.9 lbs.	34.3 lbs.	46 lbs.

MSR400 & MSR800W

Powered Speaker and Powered Subwoofer

Much of the work in putting together a high-performance sound system involves amplifier and speaker selection and setup. Here are a pair of solutions that can take you directly to great sound without the usual complications. The MSR400 powered speaker can be used alone or in combination with the MSR800W powered subwoofer to assemble sound reinforcement systems from modest to massive. They look great, too. So good, in fact, that they can be used as-is in many permanent installations without requiring any cosmetic cover-up.



FEATURES

- ◆ The MSR400 is a bi-amped, 400-watt, 2-way system (12" woofer and 1.75" compression driver). Frequency division is accomplished prior to the power amplifiers via a line-level electronic crossover—eliminating problems that are virtually unavoidable in conventional passive crossover networks.
- ◆ Another advantage of a powered system is that power can be assigned to low-frequency and high-frequency units for optimum efficiency as well as smooth, natural balance across the entire audio spectrum.
- ◆ The MSR400 has three parallel-connected connectors—two balanced XLR-type connectors and 1 balanced phone jack can be used as either inputs or parallel outputs. The MSR400 also has input level control for matching with the source signal. Low and high EQ controls can be used to adjust the respective bands over ± 3 dB range.
- ◆ The MSR400 accepts nominal input levels ranging from 36dB to +4dB, so you can directly connect any source from mics to professional line-level gear.
- ◆ Both the MSR400 and MSR800W feature LED power indicators as well as clip indicators that warn of impending clipping. This allows the engineer to make appropriate adjustments to the source level.
- ◆ Speaker placement is as much a performance issue as it is a convenience and aesthetic issue. Proper placement provides optimum sound as well as coverage while being as unobtrusive as possible. The MSR400 can be stacked or pole-mounted (there is even a pole-mount hole provided on the companion MSR800W subwoofer). And its flyable so you can benefit from the unrivaled coverage and positioning precision that only ceiling suspension can provide.
- ◆ The MSR800W subwoofer is the perfect companion for the MSR400, extending the low end and completing the musical spectrum for maximum punch and impact.
- ◆ The high-quality birch plywood bass-reflex cabinet houses a 15" cone woofer powered by an ultra-efficient burst 800 watts amplifier, a configuration that can deliver the elusive 40Hz through 120Hz frequency range with precision and authority.
- ◆ Two balanced XLR connectors are provided for connection to the source, and that same signal can be directly passed on to the main speakers via a pair of XLR THRU outputs. Alternatively, the main speakers can be fed by the MSR800W's dual HIGH PASS outputs, high-pass filtered at 80 Hz through 100 Hz, depending on the setting of the cutoff frequency control, with a steep 18dB/octave cutoff slope.

The Advantage of Powered Speakers

There are many advantages to using powered speakers – the most obvious being that you don't have to drag separate power amps around or find a place to install them. Fewer cables need connection as well—for example, just plug your mixers outputs directly into the speaker inputs. But there are sonic advantages as well. Optimum matching of amplifiers and speakers involves much more than simple impedance figures, and can be a formidable task given the vast number of choices available. In the MSR400 and MSR800W the internal amplifiers have been ideally mated to their respective speakers in every way possible, delivering reproduction quality that only such stringent matching can achieve.

For a simple system, you can use just a pair of MSR400s and a small mixer (they have mic inputs as well as line inputs, with gain controls, so in a pinch you can connect a mic directly to the speaker). The MSR400 employs bi-amplification for the best possible sound across the entire audio spectrum. But if you want serious low end, pair each speaker with a MSR800W subwoofer that delivers bass your audience will feel as well as hear. A simple pole stand adapter allows an MSR400 to be piggy-backed on each MSR800W for optimum positioning, phasing, and overall sound.

MSR400 Specs

Type	Biamp. 2-way Powered Speaker
Crossover Frequency	1.6 kHz
Overall Frequency Response	50Hz - 20kHz
Maximum SPL	121dB (1m)
Dispersion	90° (H)/40° (V)
Dimension (W x H x D)	16" x 25 3/4" x 13 7/8"
Weight	50.7 lbs.

MSR800W Specs

Type	Powered Subwoofer
Overall Frequency Response	40 - 120 Hz
Maximum SPL	122dB (1m)
Dimension (W x H x D)	23 3/8" x 20 3/4" x 23 1/4"
Weight	99.1 lbs.

MSR100

300-Watt Powered Speaker System

With the MSR100's built-in 3-channel line mixer and power amplifier, you can actually use it as an all-in-one PA system. The built-in mixer has independent gain controls on each of the three channels, as well as master level and master low and high EQ controls, a link out jack so you can connect to another MSR100, and a clip indicator. But the MSR100 also makes a great 100-watt powered speaker for use with a small mixer. MSR100's can be pole-mounted, wall-mounted, suspended, or stacked – anywhere you need them. You can even lay them on their side for monitor service. The MSR100 is a serious contender in the sound category, too, with a top-performance 100-watt amplifier perfectly matched to a two-way speaker system consisting of a custom 8" woofer and 1" titanium diaphragm compression driver feeding a 90° x 40° horn. A durable molded enclosure with integral handle makes this one of the most portable, convenient speaker systems available.



FEATURES

- ◆ All-in-one sound solution - powerful, versatile, reliable. Compact in size but big in sound and features, the MSR100 packs a powerful sonic punch - making it ideal for a wide range of applications.
- ◆ As a mixer, power amp, and speaker system combined in a single, compact unit, it's perfect for small events and club gigs. Mix in a CD player, rhythm machine and/or keyboard with your voice - all without the need of a separate mixer or power amplifier.
- ◆ Built-in 100-watt power amp ensures that you will be heard with full dynamic range and clarity. It has been optimized for use with the speaker section of the MSR100 to give you the clearest and cleanest sound possible.
- ◆ 8" custom woofer and 1" pure titanium diaphragm compression driver deliver the low end and high frequencies. The MSR100's horn provides a wide 90° x 40° sound dispersion for optimum audience coverage.
- ◆ Simple but effective mixer built into the rear provides 3 inputs with master EQ for precise sound control. The input 1 XLR connector accommodates almost any mic or line input (with a -50dB/+4dB pad switch), while line sources can be connected by phone jack to the input 2 and input 3 connectors.
- ◆ Each input has its own level control, with a Master Level control for overall output. Two-band EQ gives you further control over the final sound. CLIP indicator alerts you when the input signal is too high, letting you avoid distortion. For larger events, the MSR100's special LINK OUT jack can be used to connect multiple units and expand sound coverage.
- ◆ The compact, lightweight MSR100 is ready to go anywhere you go. Besides a built-in handle, its distinctive design lets you stand the unit upright for conventional sound reinforcement, or lay it on its angled side for use as a floor monitor.
- ◆ The rugged MSR100 has a polypropylene enclosure that stands up to the rigors of the road. A variety of mounting options also let you place it on a pole, suspend it from the ceiling, attach it to a wall, or even safely stack multiple units on the floor.

EMX5014C Powered Mixer



A winning combination of superior sound quality, convenient mixing control, and reliability, the EMX5014C is ideal for houses of worship, corporate and educational facilities. This fully integrated mixer offers a range of features to mix, process, and deliver your sound with maximum quality and creative control. Equipped with ultra-lightweight amplifier circuits, power is the priority of the 500-watt per channel multi-mode stereo power section.

A total of 14 input channels with a selection of mono mic/line and stereo line inputs. Connections include XLR, TRS 1/4" phone, and RCA. A power mode switch allows the two amplifier channels to be used with

the stereo outputs, drive main speakers and separate monitor mixes, while power amp mode selector switches allow you to configure the amp channels.

For sound shaping and feedback control, the EMX5014C includes 3-band EQ on each input channel, a stereo 9-band graphic EQ on the main stereo output, and a separate graphic for the monitor output. Each channel also contains a Feedback Channel Locator (FCL) indicator that pinpoints the input channel creating the problem. Additionally, channels 1 thru 6 provide single knob compressors.

Onboard signal processing includes a selection of 16 professional-grade programs (reverb, echo, chorus, flanger, phaser, drum ambiance and distortion) from Yamaha's renowned SPX series processor products. In addition, onboard proprietary YSP processing tailors the signal for optimum use with Yamaha's Club Series loudspeakers.

Can be used as a stand-alone unit or rack mounted with the optional RK5014 kit.

STAGEPAS 300

Complete, Portable 300-watt PA System

There's no telling where your presentation will take you. But no matter where, Yamaha's STAGEPAS 300 portable PA system has all the power and high-quality sound you need to fill a small performance space, yet it's small and light enough to bring it wherever you need it. Combining a built-in powered mixer and PA speakers, it's also incredibly easy to use – allowing you to set up and be playing in a matter of minutes!

Exceptionally compact and portable, it's the perfect road companion, providing powerful, reliable, convenient sound reinforcement for a wide variety of applications. The STAGEPAS 300 is ideal for a wide range of applications, including outdoor events, school functions, church gatherings, conferences. Great sound has never been so portable – and so easy to use. High quality, convenience, and power to go!



FEATURES

- ◆ The STAGEPAS 300 delivers a remarkably clear, powerful sound. Its exceptional high-quality and power makes it ideal for almost any PA application. Its rugged, durable construction makes it perfect for the road. And its compact, all-in-one convenience makes it an essential gig companion you'll never want to be without.
- ◆ Two passive speakers with two built-in 15' powered mixer speaker cables. The two-way bass reflex speakers are suitable as mains or monitors
- ◆ Eight-channel powered mixer features four mic plus two stereo line inputs and Class D power amplifier (150w + 150W). The mixer can be mounted on a mic stand with the optional BMS10A mic stand adapter.
- ◆ The built-in amp puts out a full 150 watts of power into each channel, and utilizes Class D amplification for maximum efficiency, low heat, and remarkably high fidelity. It has all the sonic muscle you need to fill small- and medium-sized venues. Ready to perform – wherever you go!
- ◆ Easy-to-use mixer provides controls and connections, for maximum flexibility in your stage setup – including two sets of stereo inputs for keyboards or CD/MP3 players, and a high-quality digital reverb for adding a rich ambience to your vocals.
- ◆ Independent level controls for the four mic/line channels and the two stereo inputs
- ◆ Flexible placement options let you stand the speakers up or lay them on their sides. Or use the optional ADP138 adapter to put the cabinets on speaker stands, high above the audience for optimum projection. With the convenient Monitor Out jack and the angled sides of the cabinet, you can even use one of the speakers as a floor monitor.
- ◆ For minimum stage clutter, the built-in powered mixer can be left inside the storage compartment of one speaker during operation. Speaker cables are included, too. There's even a convenient storage compartment in the other speaker box for packing the included power cable, speaker cables, and manual. Carry the STAGEPAS 300 with you, and you've got all you need to set up and perform – anywhere, anytime.

Optional Accessories

BMS10A: Mic Stand adapter makes it easy to mount the mixer on a microphone stand.

SS138B: Aluminum tripod speaker stand

ADP138: Stand mount for STAGEPAS 300 speakers. Fits on SS138B or any 1 1/8" pole.

YBSP300: Rolling Case for STAGEPAS 300

General Specifications

Maximum Output Power 6Ω @ 10% THD at 1kHz (SPEAKER L/R)	150 W + 150 W
Maximum Output Power 6Ω @ 1% THD at 1kHz (SPEAKER L/R)	100 W + 100 W
Weight (mixer and two speakers)	18 kg
Speaker Enclosure	Bass-reflex type
LF Driver	8" Cone
HF Driver	1" Compression Driver
Cross Over Frequency	4 kHz
Frequency Range	55 Hz - 20 kHz
Maximum Output Level (1m)	112 dB